

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)  
Classifications according to Regulation (EC) No 1272/2008.  
Printdate 05 Jan 2023

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product name:

Sulfaguanidine monohydrate

### 1.1. Catalog No.:

684791

### 1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical  
uses: R&D

### 1.3. Uses advised against:

HPC Standards GmbH  
Am Wieseneck 7

04451 Cunnersdorf  
Deutschland

Tel. +49 34291 3372-36  
Fax. +49 34291 3372-39  
contact@hpc-standards.com

### 1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36  
This number is only available during office hours.

## 2. HAZARDS IDENTIFICATION

2.1  
Classification of the substance or mixture  
Classification according to Regulation (EC) No 1272/2008  
Skin irritation  
(  
Category 2  
)  
,  
H315  
Eye irritation  
(  
Category 2  
)  
,  
H319  
Specific target organ toxicity  
-  
single exposure  
(  
Category 3  
)  
,  
H335 Classifica  
tion according to EU Directives 67/548/EEC or 1999/45/EC  
Xi  
Irritant  
R36/37/38

### 2.2. Label elements

### 2.2.1. Pictogram



### 2.2.2.

2.2  
Label elements  
Labelling according Regulation (EC) No 1272/2008  
Pictogram Signal word  
Warning  
Hazard statement(s)  
H315  
Causes skin irritation.  
H319  
Causes serious eye irritation.  
H335  
May cause respiratory Irritation  
Precautionary statement(s)  
P261  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P305 + P351 + P338  
IF IN EYES: Rinse cautiously with water for several minutes. Remove  
contact lenses, if present and easy to do. Continue rinsing.  
Supplemental Hazard  
Statements  
none  
2.3  
Other hazards  
-  
none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1  
Substances  
Synonyms  
:  
4  
-  
Amino  
-  
N  
-  
(aminoiminomethyl)benzenesulfonamide, 4  
-  
Amino  
-  
N  
-  
guanylbzenesulfonamide  
Formula  
:  
C  
7  
H  
10  
N  
4  
O  
2  
S  
Molecular Weight  
:

214,24 g/mol  
CAS  
-  
No.  
:  
57  
-  
67  
-  
0  
EC  
-  
No.  
:  
200  
-  
345  
-  
9  
Hazardous ingredients according to Regulation (EC) No 1272/2008  
Component  
Classification  
Concentration  
Sulfaguanidine  
Skin Irrit.  
2  
:  
Eye Irrit.  
2  
:  
STOT  
SE  
3  
:  
H315, H319, H335  
-

#### 3.1.1. Formula

C<sub>7</sub>H<sub>12</sub>N<sub>4</sub>O<sub>3</sub>S

#### 3.1.2. Molecular Weight (g/mol)

232.26

#### 3.1.3. CAS-No.

6190-55-2

#### 4. FIRST AID MEASURES

##### 4.1

Description of first aid measures

General advice

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

##### 4.2

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2

.2) and/or in

section 11

##### 4.3

Indication of any immediate medical attention and special treatment needed

no data available

#### 5. FIRE-FIGHTING MEASURES

##### 5.1

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol

-

resistant foam, dry chemical or carbon dioxide.

##### 5.2

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Sulphur oxides

##### 5.3

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary. 5.4

Further information

no data available

#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Av

oid dust formation. Avoid breathing vapours, mist or gas. Ensure

adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

##### 6.2

Environmental precautions

Do not let product enter drains.

##### 6.3

Methods

and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed

containers for disposal.

##### 6.4

Reference to other sections

For disposal see section 13

## 7. HANDLING AND STORAGE

### 7.1

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 2.2.

### 7.2

Conditions for safe storage, including any incompatibilities

Store in cool place.

Keep container tightly closed in a dry and well

ventilated place.

### 7.3

Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters Components with workplace control parameters Contains no substances with occupational exposure limit values. 8.2 Exposure controls Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection Handle with gloves.

Body Protection impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Control of environmental exposure Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1

Information on basic physical and chemical properties

#### a)

Appearance

Form

:

powder

Colour

:

white

#### b)

Odour

no data available

#### c)

Odour Threshold

no data available

#### d)

pH

no data available

#### e)

Melting point/freezing

point

no data available

#### f)

Initial boiling point and  
boiling range

no data available  
g)  
Flash point  
no data available  
h)  
Evaporation rate  
no data available  
i)  
Flammability (solid, gas)  
no data available  
j)  
Upper/lower  
flammability or  
explosive limits  
no data available  
k)  
Vapour pressure  
no data available  
l)  
Vapour density  
no data available  
m)  
Relative density  
no data available  
n)  
Water solubility  
no data available  
o)  
Partition coefficient: n  
-  
octanol/water  
no data available  
p)  
Auto  
-  
ignition  
temperature  
no data available  
q)  
Decomposition  
temperature  
no data available  
r)  
Viscosity  
no data available  
s)  
Explosive properties  
no data available  
t)  
Oxidizing properties  
no data available  
9.2  
Other safety information  
no data available

## 10. STABILITY AND REACTIVITY

10.1  
Reactivity  
no data available  
10.2  
Chemical stability  
Stable under recommended storage conditions.  
10.3  
Possibility of hazardous reactions  
no data available  
10.4  
Conditions to avoid  
no data available  
10.5  
Incompatible materials  
Strong oxidizing agents

10.6

Hazardous decomposition products  
Other decomposition products

-

no data available

In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

### 11.1

Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

Histidine reversion (Ames)

Carcinogenicity

IARC:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

Reproductive toxicity

-

rat

-

Oral

Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

Effects on Fertility: Male fertility index (e.g., # males impregnating females per # males exposed to fertile nonpregnant females).

Reproductive toxicity

-

rat

-

Oral

Effects on Fertility: Post

-

implantation mortality (e.g.

., dead and/or resorbed implants per total number of

implants). Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth). Effects on

Fertility: Abortion.

Developmental Toxicity

-

rat

-

Oral

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Specific target organ toxicity

-

single exposure

Inhalation

-

May cause respiratory Irritation. Specific target organ toxicity

-

repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

RTECS

:

WO8575000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

### 12.1

Toxicity

no data available

### 12.2

Persistence and degradability

no data available

Bioaccumulative potential

no data available

### 12.4

Mobility in soil

no data available

### 12.5

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6

Other adverse effects

no data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1

Waste treatment methods

Product

Offer surplus and non

-

recyclable solutions to a licensed disposal company.

Contact a licensed

professional waste disposal service to dispose of this material.

ial.

Dissolve or mix the material with a

combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### 14.1

UN number

ADR/RID

:

-

IMDG

:

-

IATA:

-

### 14.2

UN proper shipping name

ADR/RID

:

Not dangerous goods

IMDG

:

Not dangerous goods

IATA:

Not dangerous goods

### 14.3

Transport hazard class(es)

ADR/RID



:  
-  
IMDG  
:  
-  
IATA:  
-  
14.4  
Packaging group  
ADR/RID  
:  
-  
IMDG  
:  
-  
IATA:  
-  
14.5  
Environmental hazards  
ADR/RID  
:  
no  
IMDG  
Marine pollutant  
:  
no  
IATA:  
no  
14.6  
Special precautions for user  
no data available

## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1

Safety, health and environmental regulations/legislation specific for the substance or mixture  
no data available

15.2

Chemical Safety Assessment

For

this product a chemical safety assessment was not carried out.

## 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!